

Table 2 The World and the Iraqi Permissible values for heavy metals in water as compared with the present study

Parameters	Units	WHO (2004, 2011) for drinking and domestic purposes	Ayers and Westcot (1985) for Irrigation water resources	Iraqi systems maintains (2011)	US-EPA (2012)	Present study		
						Dissolved	Exchangeable Particulate (µg/g dry weight)	Residual particulate (µg/g dry weight)
Cadmium	µg/l	3	10	5	5	3.01	48.56	57.59
Copper	µg/l	2000	200	50	1000	2.35	53.22	88.68
Iron	µg/l	50	5000	300	300	89.45	8968.76	21571.74
Manganese	µg/l	400	200	100	50	4.48	1748.58	365.90
Nickel	µg/l	70	200	50	-	9.51	120.14	163.39
Lead	µg/l	10	5000	50	-	43.67	271.52	388.44
Zinc	µg/l	3000	2000	500	5000	7.58	243.16	219.42